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UNITED STATES GOVERNMENT

Memorandum

TO : Director of Communications

OCE-M76-391
DATE: 07 September 1976

25X1 FROM :
Chief, Communications Engineering

SUBJECT: Monthly Narrative Summary Report--August 1976

25X1 1. An RFP, including the Statement of Work (SOW), for Phase II-B on the ITS-W Program has been forwarded to on 31 August. 25X1

2. Two dry runs of the CDS pre-acceptance test were conducted which uncovered a large number of minor software problems. The start of formal pre-acceptance testing has been delayed to late September.

3. After awarding the HATS contract to Raytheon Data Systems Company, the contractor and OC-E coordination commenced with the first project meetings and contractor's submission of the Program Plan on 03 and 04 August. On 30 August, procurement action was initiated for the acquisition of two additional links for HATS.

4. The final report on the recent HF error-control tests was completed and distributed. The Barry Research modem is planned as a topic for discussion at an upcoming Equipment Board meeting.

25X1 5. The Agency's future requirements for the tandem switch were compiled during the reporting period. These requirements included the total number of sites, trunk signaling techniques, number of ports and trunks, and traffic requirements. This information was submitted to Company on 30 August as input to the tandem switch system analysis report. On 31 August, three telephone consultants from Information Dynamics, Inc., and a system analyst began work on the tandem switch program.

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6. OC-E representatives, accompanied by the DBA Systems AFT Program Manager, visited the Teletype Corporation on 03 and 04 August to discuss M-40 KDP equipment and documentation deficiencies. As a result of this meeting--and additional documentation provided by Teletype Corporation--all problems have been satisfactorily resolved. On 16 and 17 August, the DBA AFT Program Manager and the DBA Senior AFT Programmer visited Headquarters to present their preliminary software design plan. Although a number of minor discrepancies were noted and discussed, DBA's overall design of the system shows a good understanding of the functional requirements.

7. The TEMPEST tests conducted on the ARTEC 1041 Baudot Tape Typewriter (BTT) were completed on 10 August and reported favorable over the Edityper system. The ARTEC machine is now undergoing servicing, and, upon return, will be available for further evaluation.

8. On 13 August, OC-E representatives started on-site inspection of the contractor's Red grid installation on the second floor of the [] Building. It is estimated that the installation will be completed by 15 September.

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9. An order was placed for 50 digital facsimile machines from 3M. Two preproduction models are due in December with the remainder due prior to September 1977. A new project will be initiated to provide a skin-tight TEMPEST enclosure. We are expecting a significant size/weight reduction over the existing EC-8 enclosure.

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25X1 11. The OD&E Project Engineer for [] and three
25X1 Harris Corp., ESD, engineers were given a briefing on the
[] Harris Corp., ESD, will design the
[] system and wanted to see how the [] system
operated and what technical/operational limitations should
be considered.

25X1 12. The automobile cigarette lighter power cable for
SV-8's is proving to be a popular item. Thirty additional
cables were ordered.

25X1 13. [] - The installation of the new shielded
enclosure was completed in record time.

25X1 14. [] - The T-2 site is nearing completion.
Headquarters power engineers are on site completing the
power distribution and generating plant installation.

25X1 16. [] - A list of shielded enclosure items
that were damaged in shipment was received. A cost estimate
was obtained from Ray Proof and forwarded to the []
for their action.

25X1 17. The [] satellite operated well
during the month with the exception of the period from
14 to 16 August when it suffered several spinups. The
[] satellite performed without fault.

25X1 18. The installation of an SC-1A terminal at []
was completed, and a site survey at [] was also
completed. SC-1A terminal [] was accepted for delivery
at Harris Corporation. There remains one more terminal to
be delivered to complete the Phase Five procurement of SC-1
field terminals. The next terminals to go under contract
will be the new SC-3's.

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25X1 19. [] was installed at [] and fully tested back-to-back via the satellite. Extensive tests were run with KW-7's and KW-26's including an HF test with [] 25X1
The units have been formally accepted and are being prepared for shipment to TURNKEY.

25X1 20. SKYMUX - Four MX-113's have passed T&I, while two have been rejected. Units have been shipped to [] and [] for the test bed installation. Atlantic Research is preparing for a TEMPEST evaluation of the MX-113. 25X1

21. The LED MWO for the 651S-1 receiver is being finalized and will be submitted for publication in early September.

22. One SKYLINK Terminal was shipped to [] during August. Seven SKYLINK installation hardware kits were prepared and designated by terminal numbers. 25X1

23. The General Radio Automatic Test Equipment, Model 1792D, arrived and was assembled. This equipment will undergo system testing in early September. Additionally, three people have been selected for factory training in the General Radio programming techniques in mid-September.

24. TECHREQ traffic remained high for August with 515 messages processed; R&R transactions for the month totalled 1,316.

Distribution:

Original - D/CO; DD/CO; OC-EXA; OC-P&B; OC-IC (Archives)
1 - OC-O; OC-O/D.
1 - OC-S; OC-CS

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